

NHIN Functional Requirements for a Nationwide Health Information Network: A Vendor Perspective

National Committee on Vital and Health Statistics (NCVHS)
July 27, 2006

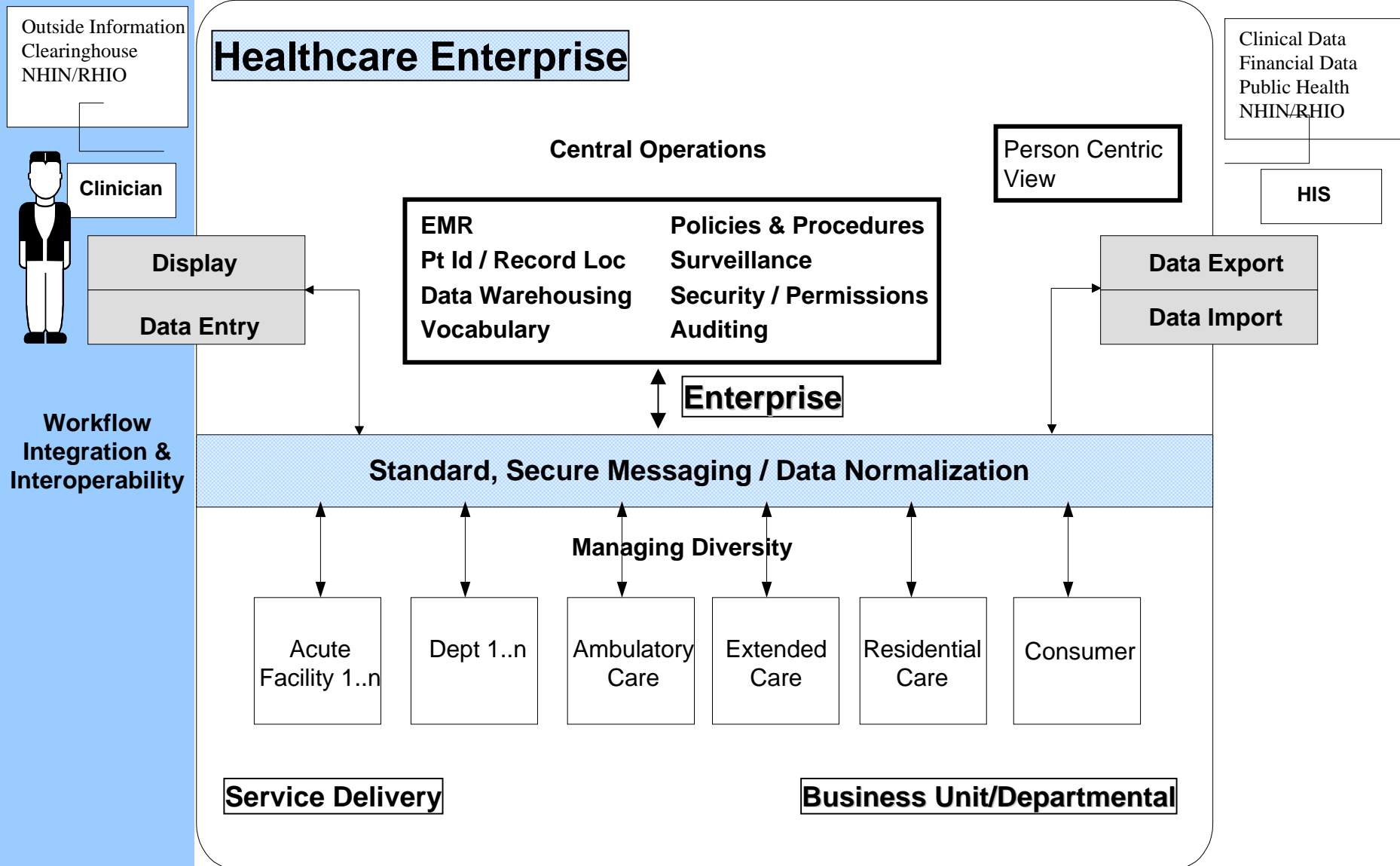


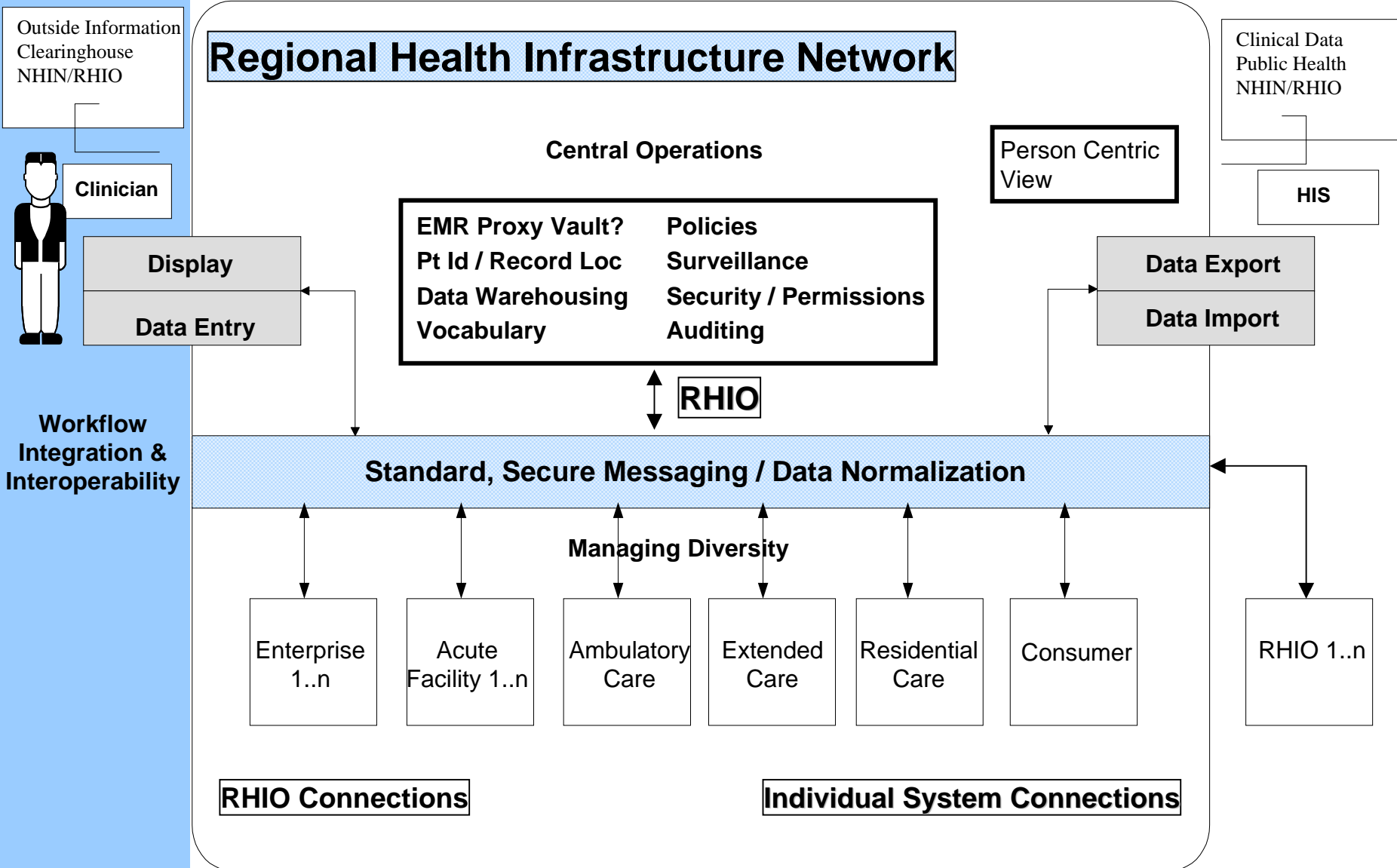
Charlene Underwood, MBA

**Director, Government & Industry Affairs, Siemens Medical Solutions
Chair, HIMSS Electronic Vendor Association**

Top 10 Reasons Why Building a National Health Information Network is Achievable

1. We know how to optimally integrate data exchange in workflow.
2. We know how to match patients.
3. We know how to exchange data to and from multiple information system vendors.
4. We know how to provide high speed, secure, available, and reliable communications infrastructure (network).
5. We know how to manage high volume, real time transaction processing and data exchange.
6. We know how to integrate data of varying quality, granularity, and consistency.
7. We know how to collaborative with other stakeholders to improve interoperability.
8. We know how to accommodate local, regional, and national standards and policies (NEDSS, HIPAA).
9. We know that financing and delivery will change so it is important to keep health information exchange simple and incremental.
10. We know that health information exchange is a clinical tool to improve quality so will become an expected standard of care.





National Health Infrastructure Network

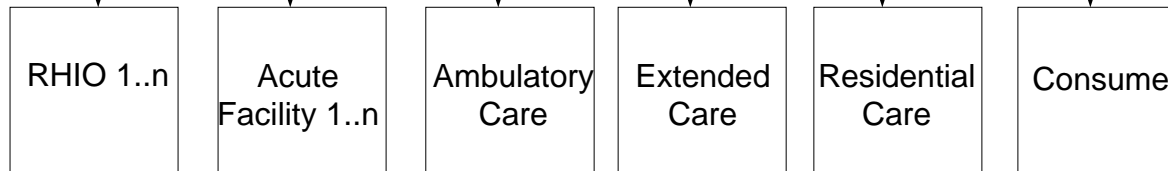
Central Operations

EMR Proxy Vault?	Policies
Pt Id / Record Loc	Surveillance
Data Warehousing	Security / Permissions
Vocabulary	Auditing

NHIN

Standard, Secure Messaging / Data Normalization

Managing Diversity



RHIO Connections

Individual System Connections

Person Centric View

Clinical Data
Public Health
RHIO

RHIO/HIS

Data Export

Data Import

Outside Information
Clearinghouse
NHIN/RHIO

Clinician

Display

Data Entry



Workflow
Integration &
Interoperability

HDX: The Integrated Healthcare EDI Network

Full integration with your IS applications enables transactions to be generated as a by-product of your normal business workflow. Web-based capabilities provide access to the same transactions from a browser.

HDX's Information Service Center provides real-time and batch services. The real-time services use HDX's on-line fault tolerant message switching facilities to provide you with seamless, reliable and responsive access to participating organizations' data. The Center routes data, ensures security and confidentiality, and provides "store and forward" capabilities.



Siemens Medical Solutions that help